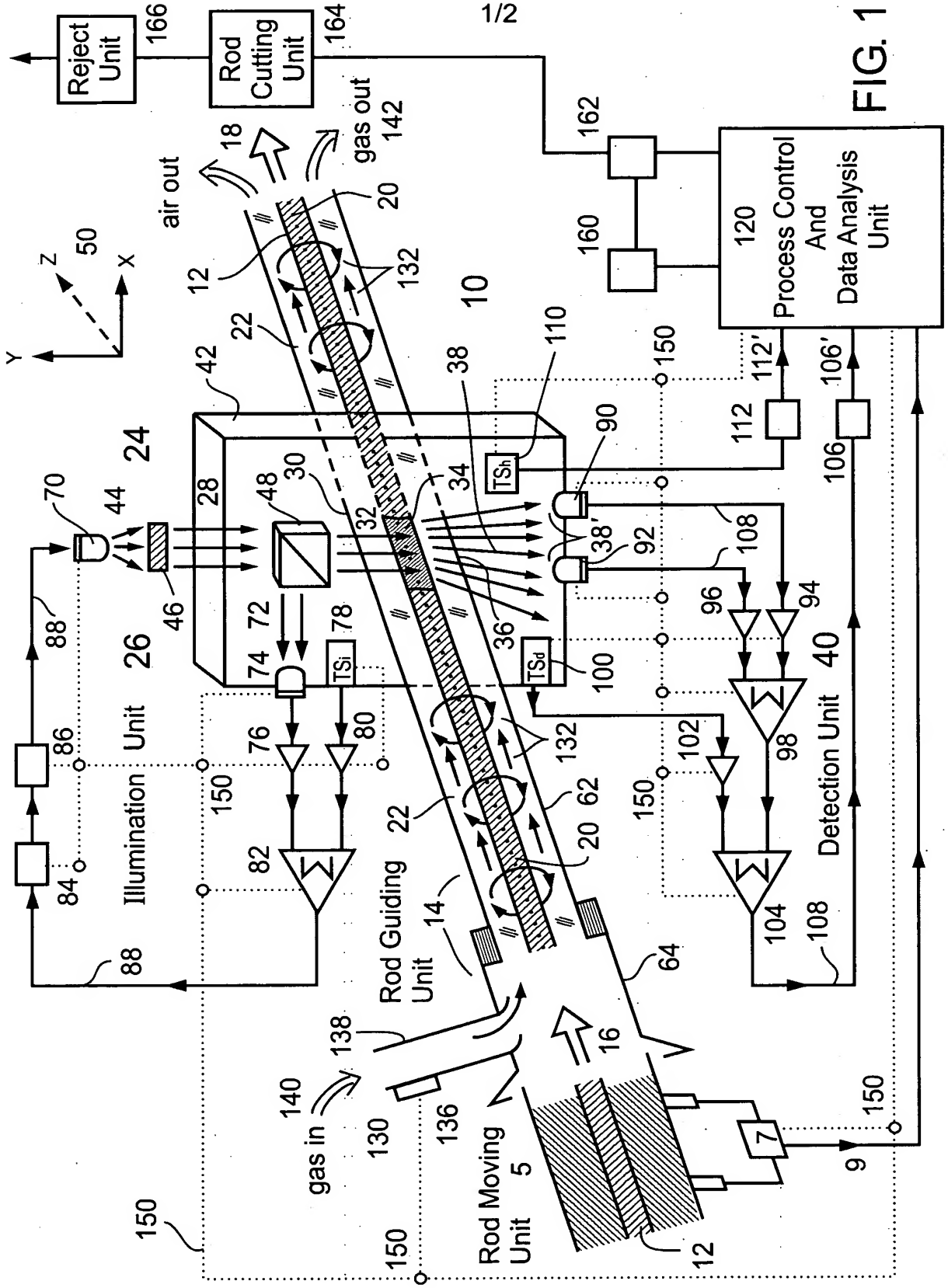
Reject Unit
166
Rod Cutting Unit
164
air out
18
gas out
142
20
12
132
10
22
42
38
110
150
162
160
120
Process Control And Data Analysis Unit
112'
106'
112
106
24
90
TSh
34
28
48
30
32
44
70
38'
92
108
46
72
78
TSi
74
36
TSd
100
96
94
40
Illumination Unit
26
88
86
76
80
132
102
98
Detection Unit
150
82
62
22
20
84
104
108
Rod Guiding Unit
14
64
138
16
140
gas in
130
136
Rod Moving Unit
5
7
9
12

FIG. 1

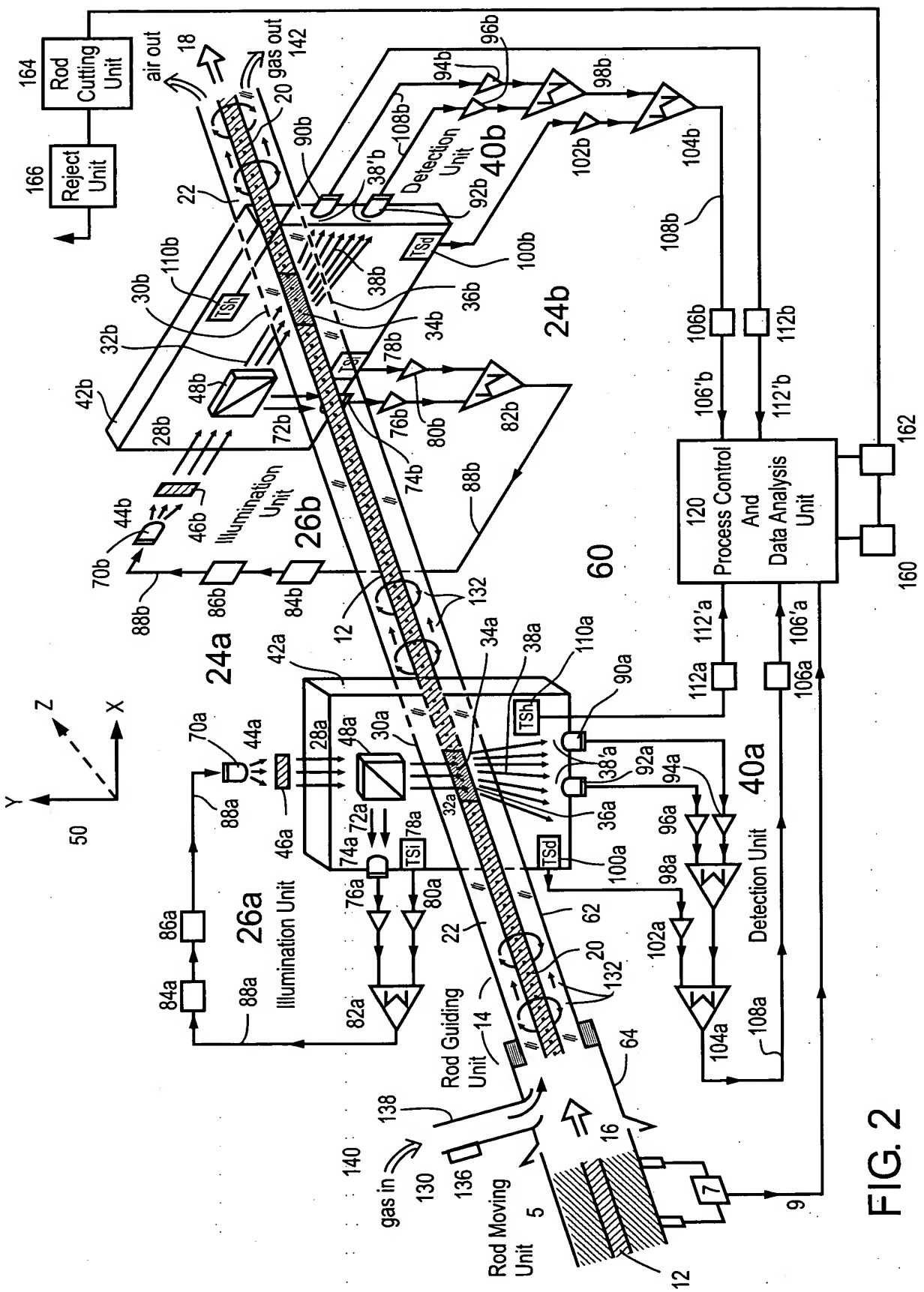
164
Rod Cutting Unit
166
Reject Unit
air out
18
gas out
142
20
90b
22
38'b
Detection Unit
40b
92b
94b
96b
98b
102b
104b
108b
110b
30b
32b
42b
48b
28b
72b
Tsh
Tsi
Tsd
100b
38b
36b
34b
78b
76b
74b
80b
82b
24b
88b
44b
46b
Illumination Unit
26b
70b
86b
84b
88b
12
132
60
120
Process Control And Data Analysis Unit
162
160
112'b
106'b
112'a
106'a
24a
42a
34a
38a
110a
90a
112a
106a
70a
44a
28a
48a
30a
38'a
92a
94a
40a
32a
36a
96a
98a
Detection Unit
50
Z
X
Y
88a
46a
74a
72a
78a
TSi
TSd
100a
76a
80a
26a
Illumination Unit
86a
84a
82a
62
22
20
132
102a
104a
108a
14
Rod Guiding Unit
64
138
140
gas in
130
136
16
Rod Moving Unit
5
7
9
12

FIG. 2